Home Energy Management System Market by Hardware (Control Device, Display/ Communication Device), by Communication Technology (Z-Wave, ZigBee, Wi-Fi) and by Software & Service (Behavioral, Proactive) - Global Forecast to 2022

Description: Global HEMS- market size and drivers:
The global market for HEMS is expected to grow at a CAGR of 18.36% between 2016 and 2022 from USD 864.2 million in 2015 to USD 3.15 billion by 2022. The market is expected to be driven by the increasing real-time energy conservation approach, convenience of cloud computing and data analytics, and increased device interconnectivity.

ZigBee technology is expected to grow at the highest rate in the HEMS market
With the growing potential and awareness the ZigBee protocol is expected to grow at a faster pace. As it can be structured in a variety of topologies such as mesh, stallate, and tree, ZigBee is widely preferred by most of the HEMS providers. ZigBee is preferred for applications related to low data rate, long battery life, and secure networking. As a result of the advanced features and excellent compatibility provided by this protocol, most of the Fortune 500 companies are supporting and joining the ZigBee alliance. This factor is expected to have a high influence on the high growth of ZigBee technology across the globe, during the forecast period.

North America and Asia-Pacific are major markets
North America accounted for the largest share of the global HEMS market in 2015 because of the growing necessity of energy conservation in the homes and better and customized services provided by the HEMS providers in the U.S., Canada, and Mexico. The HEMS market in Asia-Pacific, however, is expected to grow at the highest rate. This region has a considerable market in countries such as China, Japan, Australia, and the Rest of APAC (RoAPAC). Currently, Japan is considered to be a huge market for HEMS because of the considerable implementation rate of various control devices such as lighting controllers and smart meters in this country. Economies such as Australia, China, India, Singapore, and Malaysia among others are expected to grow at a high growth rate for home automation products during the forecast period.

In the process of determining and verifying the market size for several segments and sub-segments gathered through the secondary research, extensive primary interviews were conducted with key people in the HEMS industry. The break-up of primary participants for the report is shown below:
- By Company type – Tier 1 – 55%, Tier 2 – 20%, and Tier 3 – 25%
- By Designation – C-level – 43%, Manager level – 32%, and others – 25%
- By Region – North America – 60%, Europe – 25%, Asia-Pacific – 10%, and RoW – 5%

The report profiles key players in the HEMS market with their respective market share analysis. The prominent players profiled in this report are Honeywell International, Inc. (U.S.), Nest Labs, Inc. (U.S.), Ecobee (Canada), General Electric Company (U.S.), EnergyHub, Inc. (U.S.), Vivint, Inc. (U.S.), Panasonic Corporation (Japan), Alarm.com (U.S.), Ecofactor (U.S.), and Comcast Cable (Xfinity, U.S.).

The report will help leaders/new entrants in this market in the following ways:
1. This report segments the HEMS market comprehensively and provides the closest market size projection for all sub-segments across different regions.
2. The report helps stakeholders understand the pulse of the market and provides them with the information on key drivers, restraints, challenges, and opportunities for market growth.
3. This report would help stakeholders better understand a competitor and gain more insights to improve their position in the business. The competitive landscape section includes competitor ecosystem, new product developments, partnerships, and mergers & acquisitions.

Contents:
1 Introduction
1.1 Objectives of the Study
1.2 Market Definition
1.3 Market Scope
1.3.1 Markets Covered
1.4 Currency
1.5 Limitation
1.6 Stakeholders
2 Research Design
2.1 Market Size Estimation
2.1.1 Bottom-Up Approach
2.1.2 Top-Down Approach
2.2 Market Breakdown and Data Translumation
2.3 Market Share Estimation
2.3.1 Key Data From Secondary Sources
2.3.2 Key Data From Primary Sources
2.4 Assumptions

3 Executive Summary

4 Premium Insights
4.1 Opportunities in the HEMS Market
4.2 Home Energy Management System Market - Top Control Devices
4.3 The Market Based on Communication Technology and Geography
4.4 North America Dominated the HEMS Market in 2015
4.5 Global HEMS Market Size Based on Software & Services (2015, 2016, and 2022)

5 Market Overview
5.1 Introduction
5.2 Market Segmentation
5.2.1 Home Energy Management System Market, By Hardware
5.2.2 Market, By Communication Technology
5.2.3 HEMS Market, By Software/ Service
5.2.4 HEMS Market, By Geography
5.3 Market Dynamics
5.3.1 Drivers
5.3.1.1 Real-Time Energy Conservation Approach
5.3.1.2 Convenience of Cloud Computing and Data Analytics
5.3.1.3 Increased Device Interconnectivity
5.3.2 Restraints
5.3.2.1 Additional Costs for Supplementary Tools and Services
5.3.2.2 Supply-Side of HEMS Ecosystem Affected Due to Low Implementation Rate in APAC
5.3.3 Opportunities
5.3.3.1 Emerging Growth of Smart Home Industry
5.3.4 Challenges
5.3.4.1 Large Dependance on Analytics Software
5.3.4.2 Need for Constant Monitoring

6 Industry Trends
6.1 Introduction
6.2 Value Chain Analysis
6.3 Porter's Analysis
6.3.1 Threat of New Entrants
6.3.2 Threat of Substitutes
6.3.3 Bargaining Power of Suppliers
6.3.4 Bargaining Power of Buyers
6.3.5 Intensity of Competitive Rivalry

7 Market, By Hardware
7.1 Introduction
7.2 Control Device
7.2.1 Lighting Controller
7.2.2 Sensor
7.2.3 Smart Meter
7.2.4 Smart Plug/ Strip
7.2.5 Thermostat
7.3 Display/ Communication Device

8 Market, By Communication Technology
8.1 Introduction
8.2 Z-Wave
8.3 Zigbee
8.4 Wi-Fi
8.5 Other Communication Technologies

9 Market, By Software & Service
9.1 Introduction
9.2 Behavioral
9.3 Proactive

10 Market, By Geography
10.1 Introduction
10.2 North America
10.3 Europe
10.4 APAC
10.5 Rest of the World (RoW)

11 Competitive Landscape
11.1 Overview
11.2 Market Share Analysis, HEMS System Market
11.3 Competitive Situation and Trends
11.3.1 New Product Launches
11.3.2 Contracts, Collaborations, and Agreements
11.3.3 Mergers and Acquisitions

12 Company Profiles
(Overview, Products & Services, Strategies & Insights, Developments and Mnm View)*
12.1 Honeywell International, Inc.
12.2 Nest Labs, Inc.
12.3 Vivint, Inc.
12.4 General Electric Company
12.5 Ecobee, Inc.
12.6 Alarm.Com
12.7 Comcast Cable (Xfinity)
12.8 Panasonic Corporation
12.9 Ecofactor, Inc.
12.10 Energyhub, Inc.

*Details on Marketsandmarkets View, Overview, Products & Services, Financials and Strategy & Analyst Insights Might Not Be Captured in Case of Unlisted Companies.

13 Appendix
13.1 Insights of Industry Experts
13.2 Discussion Guide
13.3 Introducing RT: Real Time Market Intelligence

List of Tables
Table 1 Global HEMS Market Size, By Hardware, 2014-2022 (USD Million)
Table 2 HEMS Market Size, By Software and Service, 2014-2022 (USD Million)
Table 3 North America: HEMS Market Size, By Hardware, 2014-2022 (USD Million)
Table 4 Driver Analysis
Table 5 Restraint Analysis
Table 6 Home Energy Management System Market Size, By Hardware, 2014-2022 (USD Million)
Table 7 HEMS Market Size for Hardware, By Region, 2014-2022 (USD Million)
Table 8 Market Size for Hardware, By Control Device, 2014-2022 (USD Million)
Table 9 HEMS Market Size for Control Devices, By Region, 2014-2022 (USD Million)
Table 10 HEMS Market Size for Hardware, By Control Device, 2014-2022 (Thousand Units)
Table 11 Home Energy Management System Market Size for Lighting Controllers, By Region, 2014-2022 (USD Million)
Table 12 HEMS Market Size for Sensors, By Region, 2014-2022 (USD Million)
Table 13 Market Size for Smart Meters, By Region, 2014-2022 (USD Million)
Table 14 HEMS Market for Smart Plugs/ Strips, By Region, 2014-2022 (USD Million)
Table 15 Home Energy Management System Market Size for Thermostats, By Region, 2014-2022 (USD Million)
Table 16 HEMS Market for Hardware, By Display/Communication Device, 2014-2022 (USD Million)
Table 17 Market Size for Display/Communication Devices, By Region, 2014-2022 (USD Million)
Table 18 HEMS Market Size for Monitoring/Display Systems, By Region, 2014-2022 (USD Million)
Table 19 HEMS Market Size for Communication Devices, By Region, 2014-2022 (USD Million)
Table 20 Market Size, By Communication Technology, 2014-2022 (USD Million)
Table 21 HEMS Market Size for Communication Technology, By Region, 2014-2022 (USD Million)
Table 22 HEMS Market Size for Z-Wave, By Region, 2014-2022 (USD Million)
Table 23 Market Size for Zigbee, By Region, 2014-2022 (USD Million)
Table 24 HEMS Market for Wi-Fi, By Region, 2014-2022 (USD Million)
Table 25 HEMS Market for Other Communication Technologies, By Region, 2014-2022 (USD Million)
Table 26 Home Energy Management System Market Size, By Software & Service, 2014-2022 (USD Million)
Table 27 HEMS Market for Software & Services, By Region, 2014-2022 (USD Million)
Table 28 HEMS Market Size for Behavioral, By Region, 2014-2022 (USD Million)
Table 29 Market Size for Proactive, By Region, 2014-2022 (USD Million)
Table 30 HEMS Market Size, By Region, 2014-2022 (USD Million)
Table 32 North America: HEMS Market Size, By Segment, 2014-2022 (USD Million)
Table 33 North America: Market Size, By Hardware, 2014-2022 (USD Million)
Table 34 North America: HEMS Market Size, By Control Device, 2014-2022 (USD Million)
Table 36 North America: HEMS Market Size for Hardware, By Country, 2014-2022 (USD Million)
Table 37 North America: Market Size, By Communication Technology, 2014-2022 (USD Million)
Table 38 North America: HEMS Market Size, By Software & Service, 2014-2022 (USD Million)
Table 40 North America: HEMS Market Size for Hardware, By Control Device, 2014-2022 (USD Million)
Table 41 Europe: HEMS Market Size, By Geography, 2014-2022 (USD Million)
Table 42 Europe: Home Energy Management System Market Size, By Segment, 2014-2022 (USD Million)
Table 43 Europe: HEMS Market Size, By Hardware, 2014-2022 (USD Million)
Table 44 Europe: HEMS Market Size for Hardware, By Control Device, 2014-2022 (USD Million)
Table 45 Europe: Home Energy Management System Market Size, By Display/Communication Device, 2014-2022 (USD Million)
Table 46 Europe: HEMS Market Size for Hardware, By Geography, 2014-2022 (USD Million)
Table 47 Europe: Market Size, By Communication Technology, 2014-2022 (USD Million)
Table 48 Europe: HEMS Market Size, By Software & Service, 2014-2022 (USD Million)
Table 49 Europe: Home Energy Management System Market Size, By Display/Communication Device, 2014-2022 (USD Million)
Table 50 Europe: HEMS Market for Software & Services, By Geography, 2014-2022 (USD Million)
Table 51 APAC: HEMS Market Size, By Geography, 2014-2022 (USD Million)
Table 52 APAC: HEMS Market Size, By Segment, 2014-2022 (USD Million)
Table 53 APAC: Home Energy Management System Market Size, By Hardware, 2014-2022 (USD Million)
Table 54 APAC: HEMS Market Size, By Control Device, 2014-2022 (USD Million)
Table 55 APAC: HEMS Market Size, By Display/Communication Device, 2014-2022 (USD Million)
Table 56 APAC: Home Energy Management System Market Size, By Control Device, 2014-2022 (USD Million)
Table 57 APAC: HEMS Market Size, By Communication Technology, 2014-2022 (USD Million)
Table 58 APAC: Market Size, By Communication Technology, 2014-2022 (USD Million)
Table 60 APAC: HEMS Market Size for Software & Services, By Geography, 2014-2022 (USD Million)
Table 61 RoW: HEMS Market Size, By Region, 2014-2022 (USD Million)
Table 62 RoW: HEMS Market Size, By Segment, 2014-2022 (USD Million)
Table 63 RoW: HEMS Market Size, By Hardware, 2014-2022 (USD Million)
Table 64 RoW: Home Energy Management System Market Size, By Control Device, 2014-2022 (USD Million)
Table 65 RoW: HEMS Market Size, By Display/Communication Device, 2014-2022 (USD Million)
Table 66 RoW: HEMS Market Size for Hardware, By Region, 2014-2022 (USD Million)
Table 67 RoW: Market Size, By Communication Technology, 2014-2022 (USD Million)
Table 68 RoW: HEMS Market Size for Communication Technology Market Size, By Region, 2014-2022 (USD Million)
Table 70 RoW: HEMS Market Size for Software & Services, By Region, 2014-2022 (USD Million)
Table 71 New Product Launches, 2013-2015
Table 72 Contracts, Collaborations and Agreements, 2013-2015
Table 73 Mergers and Acquisitions, 2013-2015

List of Figures

Figure 1 Market Segments
Figure 2 Years Considered for the Study
Figure 3 Home Energy Management System Market: Research Design
Figure 4 Market Size Estimation Methodology: Bottom-Up Approach
Figure 5 Market Size Estimation Methodology: Top-Down Approach
Figure 6 HEMS Market: Data Triangulation Model
Figure 7 HEMS Market, By Communication Technology Snapshot: the Zigbee Protocol Expected to Witness A High Growth Between 2016-2022
Figure 8 Home Energy Management System Market, By Geography, Snapshot (2015 vs 2022): APAC to Witness the Highest Growth During the Forecast Period
Figure 9 Attractive Market Opportunities for the HEMS Market (2016-2022)
Figure 10 Thermostats Expected to Hold the Largest Market Share During the Forecast Period
Figure 11 Wi-Fi Held the Largest Share in the HEMS Market
Figure 12 China and Australia Expected to Grow at the Highest Rate By 2022
Figure 13 Proactive Solutions to Hold the Largest Share in the Global HEMS Market on the Basis of Software & Services
Figure 14 By Geography
Figure 15 Drivers, Restraints, Opportunities, and Challenges for the HEMS Market
Figure 16 Value Chain Analysis: Software and Service Providers to Generate Maximum Revenue in the HEMS Industry
Figure 17 Porter's Analysis
Figure 18 Porter's Analysis: HEMS Market
Figure 19 Threat of New Entrants
Figure 20 Threat of Substitutes
Figure 21 Bargaining Power of Suppliers
Figure 22 Bargaining Power of Buyers
Figure 23 Intensity of Competitive Rivalry
Figure 24 Home Energy Management System Market Size for Hardware, By Control Device (USD Million)
Figure 25 HEMS Market, By Communication Technology, 2015 and 2022
Figure 26 HEMS Market, By Software & Service, 2015-2022 (USD Million)
Figure 27 Geographic Snapshot of the HEMS Market (2016-2022)
Figure 28 North America: HEMS Market Snapshot
Figure 29 The U.K. Held the Largest Share of the HEMS Market in Europe, in 2015
Figure 30 APAC: Home Energy Management System Market Snapshot - China to Be the Most Lucrative Market During the Forecast Period
Figure 31 Companies Adopted New Product Launches and Mergers and Acquisitions as the Key Growth Strategies Between 2013 and 2015
Figure 32 Global HEMS Market Share, By Key Player, 2015
Figure 33 Market Evolution Framework - New Product Launches Fueled the Market Growth in 2015
Figure 34 Battle for Market Share: New Product Launches Was the Key Strategy
Figure 35 Geography Revenue Mix
Figure 36 Honeywell International, Inc.: Company Snapshot
Figure 37 Honeywell International, Inc: SWOT Analysis
Figure 38 Nest Labs, Inc.: SWOT Analysis
Figure 39 Vivint, Inc.: Company Snapshot
Figure 40 Vivint, Inc.: SWOT Analysis
Figure 41 General Electric Company: Company Snapshot
Figure 42 General Electric Company: SWOT Analysis
Figure 43 Ecobee, Inc.: SWOT Analysis
Figure 44 Alarm.Com: Company Snapshot
Figure 45 Comcast Corporation: Company Snapshot
Figure 46 Panasonic Corporation: Company Snapshot
Ordering:

Order Online - http://www.researchandmarkets.com/reports/3625124/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Home Energy Management System Market by Hardware (Control Device, Display/Communication Device), by Communication Technology (Z-Wave, ZigBee, Wi-Fi) and by Software & Service (Behavioral, Proactive) - Global Forecast to 2022
Web Address: http://www.researchandmarkets.com/reports/3625124/
Office Code: SC6IZA6N

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: 

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp